



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/751,673	12/29/2000	Michael F. Deering	5181-54400/P-4832 9125		
. 75	90 03/04/2003				
Dan R. Christen			EXAMINER		
Conley, Rose, & P.O. Box 398	•		NGUYEN, PHU K		
Austin, TX 78	767		ART UNIT	PAPER NUMBER	
			2671		
.,			DATE MAIL ED: 02/04/2003	DATE MAIL ED. 02/04/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

1) Responsive to communication(s) filed on							
Examiner		Application No. Applicant(s)					
Poet K. Nguyen  - The MAILING DATE of this communication appears on the cover sheet with the correspondence address —  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  If the period for nely specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days, will be considered timely.  If the period for nely specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days, will be considered timely.  If the period for nely specified above, the maintening replied will apply and we sepies 32 (MONTHS from the maining date) of this communication.  If the period for nely specified above, the maintening vertical will apply and we sepies 32 (MONTHS from the maining date).  If the period for nely specified above, the maintening date of this communication, own if timely filled, may reduce any seamed pattern are adjustment. See 37 CFR 1.70(e).  Any reply received by the Office later than three months after the mailing date of this communication, own if timely filled, may reduce any seamed pattern.  Status    Status	' Office Action Summany		<u> </u>				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Estatework or the may be available under the provisions of 3 CRF.1-19(e). In covert, however, may a reply be limely filled the period for may's specified above is less than linky (30) says, a reply within the statutory minimum of thinty (30) says will be considered timely.  If the period for may's specified above is less than linky (30) says, a reply within the statutory minimum of thinty (30) says will be considered timely.  If the period for may's specified above is less than linky (30) says, a reply within the statutory minimum of thinty (30) says will be considered timely.  If the period for may's specified above is less than linky (30) says, a reply will be considered timely.  If the period for may's specified above is less than linky (30) says, a reply with the statutory minimum of thinty (30) says will be considered timely.  If the period for may's specified above, the mainting state of this communication to shoot may have been seen as a specified or the communication.  If the period for may's specified above is less than linky (30) says will be considered timely.  If the period for may's specified above is less than linky (30) says will be considered timely.  If this period is linky (30) says says says and (30) says says says says says says says say	e Office Action Summary		Art Unit				
Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of times may be available under the provisions of 37 CFR 1.38(a). In no event, however, may a reply be limity filed  Extensions of times may be available under the provisions of 37 CFR 1.38(a). In no event, however, may a reply be limity filed  Extensions of times may be available under the provisions of 37 CFR 1.38(a). In no event, however, may a reply be limity filed  Extensions of times are the available under the provisions of 37 CFR 1.38(a). If NO prince of times of the second provisions of the provisions of the second provisions of the communication. If NO prince of the second provisions of the communication of the second provisions of the second provision of the second provis	TI MANUAL DATE OF THE STATE OF		I F				
THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CFR 1.138(b). In no event, however, may a reply be limitly filled after SIX (8) MONTHS from the mailing date of this communication.  It NO period for reply is sendified before the mailing date of this communication.  It NO period for reply is sendified abover, the maximum studency peed within the statisticity more within the mailing date of this communication.  Failure to reply within the set or extended pend for reply will, by statute, cause the application to become ABANDONED (38 U.S.C. § 133).  Any copy recorded by the Official entre than these more that studency peed will discove this (4) MONTHS from the mailing date of the communication, even if timely filled, may reduce any Any copy recorded by the Official entre than these more after the mailing date of the communication, even if timely filled, may reduce any Any copy recorded by the Official entre than the application is in condition for allowsence except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-16 is/are pending in the application.  4a) Of the above claim(s) is/are allowed.  6) Claim(s) 1-3.15-18,30-33 and 46 is/are rejected.  7) Claim(s) 1-3.15-18,30-33 and 46 is/are rejected.  8) Claim(s) 4-14.19-29 and 34-45 is/are objected to.  8) Claim(s) 4-14.19-29 and 34-45 is/are objected to.  8) Claim(s) 4-14.19-29 and 34-45 is/are objected to by the Examiner.  10) The drawing(s) filed on is/are: a) cocepted or bi objected to by the Examiner.  Application Papers  9) The specification is objected to by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  11) The proposed drawing correction filed on is a sill approved by the Examiner.  12) The oath or declaration is objected to by the Examiner.  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or		ears on the cover sheet with the c	correspondence address				
2a)  This action is FINAL. 2b)  This action is non-final.  3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s) 1-46 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5)  Claim(s) is/are allowed.  6)  Claim(s) 15.15-18.30-33 and 46 is/are rejected.  7)  Claim(s) are subject to restriction and/or election requirement.  Application Papers  9)  The specification is objected to by the Examiner.  100  The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11)  The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12)  The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)  All b)  Some * c) None of:  1.  Certified copies of the priority documents have been received in Application No  3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for a list of the certified copies not received.  14)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a)  The translation of the foreign language provisional application has been received.  PATHICLER OF TABLES OF TA	THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute,  - Any reply received by the Office later than three months after the mailing	6(a). In no event, however, may a reply be tin within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
3   Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4   Claim(s) 1-46 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5   Claim(s) is/are allowed.  6   Claim(s) is/are allowed.  6   Claim(s) is/are allowed.  7   Claim(s) are subject to restriction and/or election requirement.  Application Papers  9   The specification is objected to by the Examiner.  10   The drawing(s) filed on is/are: a)   accepted or b)   objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11   The proposed drawing correction filed on is: a)   approved b)   disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12   The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13   Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  3   Copies of the certified copies of the priority documents have been received in Application No  3   Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14   Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  3   The translation of the foreign language provisional application has been received.  15   Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121PEREADE CERTIFICATION Attachment(s)  16   Notice of References Cited (PTO-82)	1) Responsive to communication(s) filed on						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)	2a) ☐ This action is <b>FINAL</b> . 2b) ☑ This	s action is non-final.					
Disposition of Claims  4)	· · · —						
4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) □ Claim(s) is/are allowed.  7) □ Claim(s) 4-14,19-29 and 34-45 is/are rejected.  7) □ Claim(s) 4-14,19-29 and 34-45 is/are objected to.  8) □ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) □ The specification is objected to by the Examiner.  10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) □ The proposed drawing correction filed on is: a) □ approved b) □ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) □ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority documents have been received.  2. □ Certified copies of the priority documents have been received in Application No  3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) □ The translation of the foreign language provisional application has been received.  15) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12121200000000000000000000000000000000		Ex parte Quayle, 1935 C.D. 11, 4	.53 O.G. 213.				
5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are	4)⊠ Claim(s) <u>1-46</u> is/are pending in the application.						
6)  Claim(s) 1-3.15-18.30-33 and 46 is/are rejected.  7)  Claim(s) 4-14.19-29 and 34-45 is/are objected to.  8)  Claim(s) are subject to restriction and/or election requirement.  Application Papers  9)  The specification is objected to by the Examiner.  10)  The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11)  The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12)  The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)  All b) Some *c) None of:  1.  Certified copies of the priority documents have been received.  2.  Certified copies of the priority documents have been received in Application No  3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a)  The translation of the foreign language provisional application has been received.  15)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Patental Contents and the contents of the priority under 35 U.S.C. §§ 120 and/or 12 Patental Contents and the contents	· · · · · · · · · · · · · · · · · · ·	n from consideration.					
7) Claim(s) 4-14,19-29 and 34-45 is/are objected to.  8) Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  Priority December 12 priority Attachment(s)  1) Notice of References Cited (PTO-992)  2) Notice of Informal Patent Application (PTO-152)	5) Claim(s) is/are allowed.						
8) Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  PATENTIAL PROPERTY OF CA-113) Paper No(s).  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Paper No(s).  15) Notice of Informal Patent Application (PTO-413) Paper No(s).  5) Notice of Informal Patent Application (PTO-152)	6)⊠ Claim(s) <u>1-3,15-18,30-33 and 46</u> is/are rejected.						
Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some coll None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  PRESIDENT CONTROLL STATES TO Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  5) Notice of Informal Patent Application (PTO-152)	<u> </u>						
9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  5) Notice of Informal Patent Application (PTO-152)		election requirement.					
10)  The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 translation.  Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s)	· ·						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 (1913) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 (1913) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 (1913) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 (1913) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 (1913) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 (1913) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 (1913) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 (1913) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 (1913) Acknowledgment is made of a claim for domestic pr	<u> </u>		minor				
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 [PC-413] Paper No(s)  Attachment(s)  1 Notice of References Cited (PTO-892)  3 Notice of Draftsperson's Patent Drawing Review (PTO-948)  1 Notice of Informal Patent Application (PTO-152)		• •					
If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 [RELIGIARIA] CERTIFICATION Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 [RELIGIARIA] CERTIFICATION Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 [RELIGIARIA] CERTIFICATION CERTIFICATION CERTIFICATION (PTO-413) Paper No(s).  Altachment(s)  1) Notice of References Cited (PTO-892)  3) Notice of Draftsperson's Patent Drawing Review (PTO-948)  5) Notice of Informal Patent Application (PTO-152)							
Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 12 12 12 12 12 12 12 12 12 12 12 12							
Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledg	12) The oath or declaration is objected to by the Exa	miner.					
Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 10 Acknowledg	Priority under 35 U.S.C. §§ 119 and 120						
a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 process  Attachment(s)  1 Interview Summary (PTO-413) Paper No(s).  Notice of Draftsperson's Patent Drawing Review (PTO-948)		priority under 35 U.S.C. § 119(a	)-(d) or (f).				
2. Certified copies of the priority documents have been received in Application No			, , , , ,				
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Provisional Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Provisional Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Provisional Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Provisional Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Provisional Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Provisional Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Provisional Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Provisional Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Provisional Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Provisional Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Provisional Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Provisional Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Provisional Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Provisional Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 Provisional Acknowledgment is made of a claim for domestic priority under 35	1. Certified copies of the priority documents	have been received.					
application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 Acknowledgment is made of a claim for domestic priority under	2. Certified copies of the priority documents have been received in Application No						
a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 PROMENT COLORS  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  1) Notice of Informal Patent Application (PTO-152)	application from the International Bure	eau (PCT Rule 17.2(a)).	· ·				
a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 12 PROMENT COLORS  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  1) Notice of Informal Patent Application (PTO-152)	14) Acknowledgment is made of a claim for domestic	priority under 35 U.S.C. § 119(e	e) (to a provisional application).				
Attachment(s)  1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  4) Interview Summary (PTO-413) Paper No(s) 5) Notice of Informal Patent Application (PTO-152)	a) The translation of the foreign language prov	risional application has been rec	eived. Skulju				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  5) Notice of Informal Patent Application (PTO-152)	Attachment(s)		CECIP EXTO				
		5) Notice of Informal F	· · · · · · —				

Art Unit: 2671

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 15, 16, 30, 31, and 46 are rejected under 35 U.S.C. 103(a) as being unpatentable over LIMBERG (6,441,843).

As per claim 1, Limberg teaches the claimed "method for generating pixels for display device" comprising:

"receiving graphics data" (Limberg, figure 2, Digitized Baseband Symbol Coding Input);

"rendering a first plurality of samples" (Limberg, column 2, lines 51-63);

"filtering said first plurality of samples" (Limberg, Channel Equalizer 10);

"computing first negativity value based on said first set of output pixels" (Limberg, Error Detector for Decision feedback 21); and

"adjusting said first filter in response to said first negativity value" (Limberg, Filter Coefficient Update Calculation Apparatus 20).

It is noted that Limberg does not explicitly teach that "the first negativity value measures an amount of negativity in said frame" as claimed. However, Limberg's Error Detector 21, which calculates the error signal, suggests the "amount of negativity" of the video signal as claimed. Thus, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to configure Limberg's method as claimed

Art Unit: 2671

because the error of the signal after filtered can be regarded as "amount of negativity" in said generated frame.

Claim 2 adds into claim 1 "a negativity threshold" which would have been obvious to Limberg's error which allows some degree of tolerance.

Claim 3 adds into claim 2 "the threshold is adjustable by a user" which would have been obvious to Limberg's error with some degree of tolerance decided by Applicant.

Claim 15 adds into claim 1 "a display device" which Limberg teaches in the display on the Television (column 1, lines 11-15).

As per claim 16, Limberg teaches the claimed "computer readable memory medium" comprising the steps of:

"receive graphics data" (Limberg, figure 2, Digitized Baseband Symbol Coding Input);

"render a first plurality of samples" (Limberg, column 2, lines 51-63);

"filter said first plurality of samples" (Limberg, Channel Equalizer 10);

"compute first negativity value based on said first set of output pixels" (Limberg, Error Detector for Decision feedback 21); and

"adjust said first filter in response to said first negativity value" (Limberg, Filter Coefficient Update Calculation Apparatus 20).

It is noted that Limberg does not explicitly teach that "the first negativity value measures an amount of negativity in said frame" as claimed. However, Limberg's Error Detector 21, which calculates the error signal, suggests the "amount of negativity" of the

Art Unit: 2671

video signal as claimed. Furthermore, although Limberg actually teaches the hardware (figures 1-2) to perform these steps, not as the instructions of computer program as claimed, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to write a computer program to implement the functions of the device as claimed. Thus, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to configure Limberg's method as claimed because the error of the signal after filtered can be regarded as "amount of negativity" in said generated frame.

Claim 17 adds into claim 16 "a negativity threshold" which would have been obvious to Limberg's error which allows some degree of tolerance.

Claim 18 adds into claim 17 "the threshold is adjustable by a user" which would have been obvious to Limberg's error with some degree of tolerance decided by Applicant.

Claim 30 adds into claim 16 "a display device" which Limberg teaches in the display on the Television (column 1, lines 11-15).

As per claim 31, Limberg teaches the claimed "graphic system" comprising:

"a graphics data stream" (Limberg, figure 2, Digitized Baseband Symbol Coding Input);

"a sample buffer" (Limberg, RAMs 41-46);

"sample-to-pixel calculation unit" (Limberg, Channel Equalizer 10);

"a negativity computation unit" (Limberg, Error Detector for Decision feedback 21); and

Art Unit: 2671

"adjusting said first filter in response to said first negativity value" (Limberg, Filter Coefficient Update Calculation Apparatus 20).

It is noted that Limberg does not explicitly teach that "the first negativity value measures an amount of negativity in said frame" as claimed. However, Limberg's Error Detector 21, which calculates the error signal, suggests the "amount of negativity" of the video signal as claimed. Thus, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to configure Limberg's method as claimed because the error of the signal after filtered can be regarded as "amount of negativity" in said generated frame.

Claim 32 adds into claim 31 "a negativity threshold" which would have been obvious to Limberg's error which allows some degree of tolerance.

Claim 33 adds into claim 32 "the threshold is adjustable by a user" which would have been obvious to Limberg's error with some degree of tolerance decided by Applicant.

Claim 46 adds into claim 311 "a display device" which Limberg teaches in the display on the Television (column 1, lines 11-15).

Accordingly, the claimed inventions as represented in claims 1-3, 15-18, 30-33, and 46 do not represent a patentable distinction over the art of record.

Claims 4-14, 19-29, and 34-45 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phu K. Nguyen whose telephone number is (703)305 - 9796. The examiner can normally be reached on M-F 8:00-4:30.

The fax phone numbers for the organization where this application or proceeding is assigned are (703)308-6606 for regular communications and (703)308-6606 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)305-3800.

Phu Nguyen February 27, 2003 Shully Comments